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4-10-02

PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: AUST et al.

Serial No: 09/991,702

Filed: Nov. 26, 2001

Examiner: Unassigned

Group Art Unit: 1742

For: Thermo-Mechanical Treated Lead and Lead Alloys Especially  
for current collectors and Connectors in Lead-Acid Batteries

I HEREBY CERTIFY THAT THIS PAPER IS  
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Date: April 8, 2002

By: Joseph DeBenedictis

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SECOND SUPPLEMENTAL PRELIMINARY AMENDMENT

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

Please amend the above-identified application as follows:

IN THE CLAIMS:

27. (Twice amended) The recrystallized lead alloy of claim 1 which consists  
of 0.073 wt. % Ca, 0.7 wt. % Sn with the balance being Pb;

said mass is in the form of a strip;

said strip is deformed in step a) by cold rolling at room temperature to achieve  
a 40% reduction in thickness;

said lead alloy is annealed in step b) at a temperature of 270°C for 10 minutes;  
the number of cycles is 3;

and said lead alloy is cooled to ambient temperature after completing said three  
cycles.